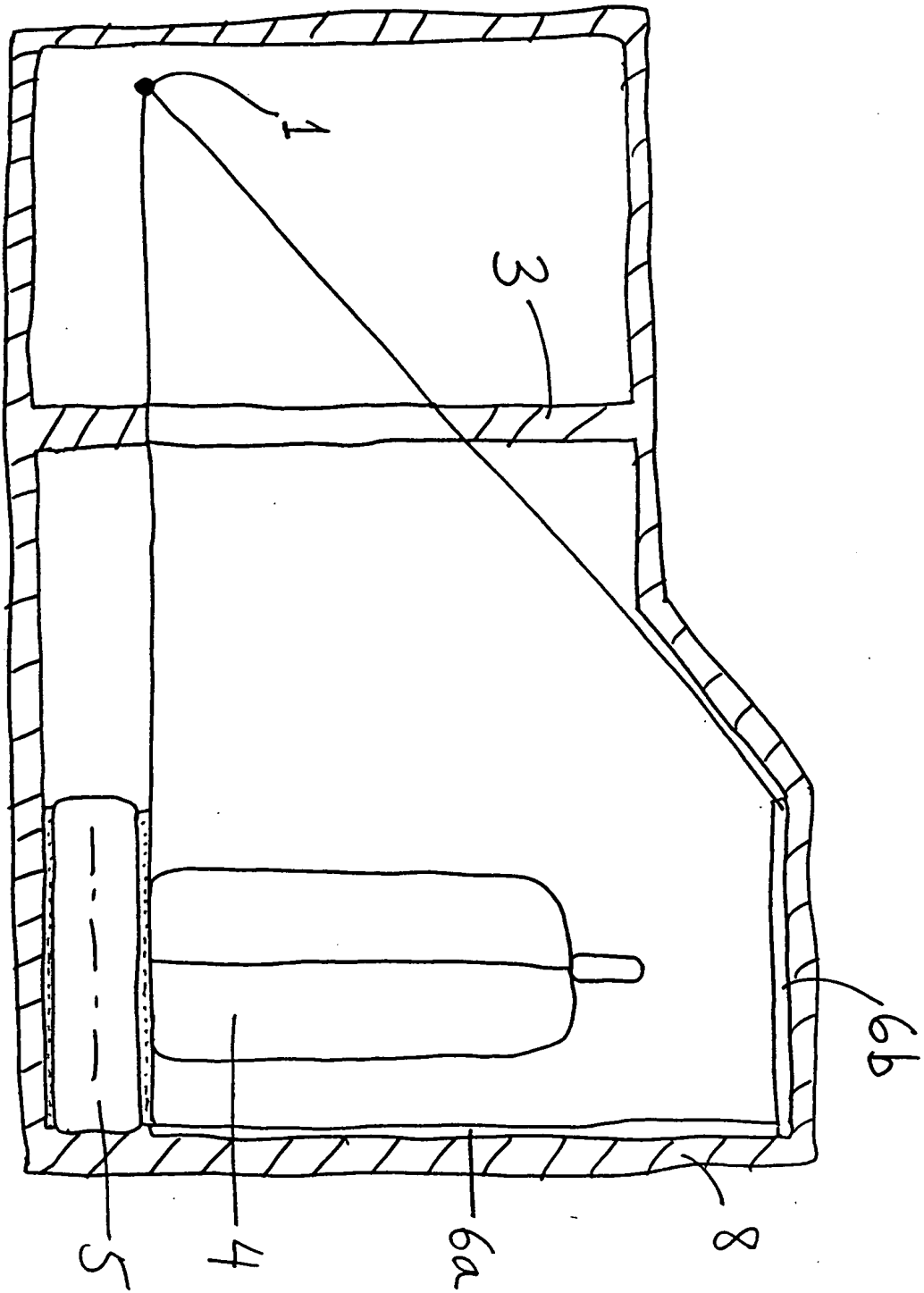


FIGURE 1



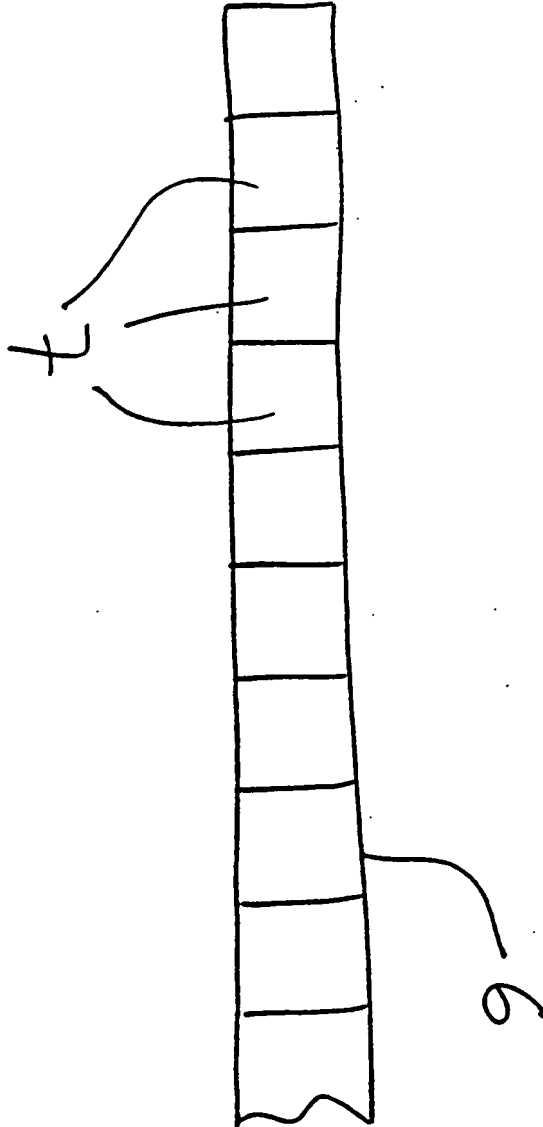


FIGURE 3

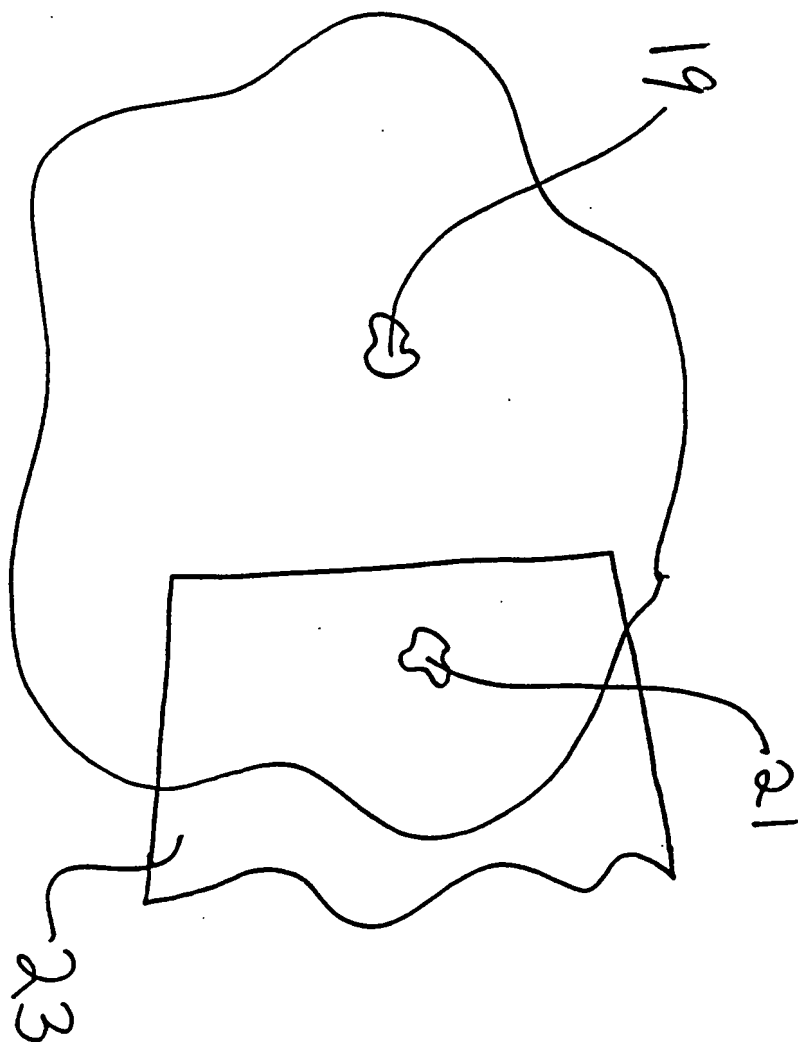


FIGURE 4

MAKE SURE $H_T \geq H_B + \Delta$

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CALCULATE $\frac{H_T - H_B}{L_T - L_B} = K_{TB}$ FOR
TEST PIXEL #1 AND A SET OF PIXELS
IN ITS NEIGHBORHOOD TREATED AS
BACKGROUND PIXELS

30

COMPARE K_{TB} FOR EACH PIXEL IN
THE NEIGHBORHOOD SET TO M_H/M_L

32

IF $K_{TB} = M_H/M_L$ ADD A "VOTE" TO
THE "VOTE" COUNT FOR THE
TEST PIXEL WHERE IT
HAPPENED, KEEPING A SEPARATE
COUNT FOR EACH PIXEL

34

REPEAT 30-34 FOR EACH PIXEL
AS A TEST PIXEL, KEEPING A
RUNNING COUNT OF THE "VOTES"
FOR ALL PIXELS

36

APPLY SELECTION CRITERIA
TO THE "VOTE" COUNTS FOR
ALL PIXELS

38

INDICATE PIXELS THAT
MEET THE CRITERIA
ON THE STANDARD IMAGE
ON THE MONITOR

40

FIGURE 5

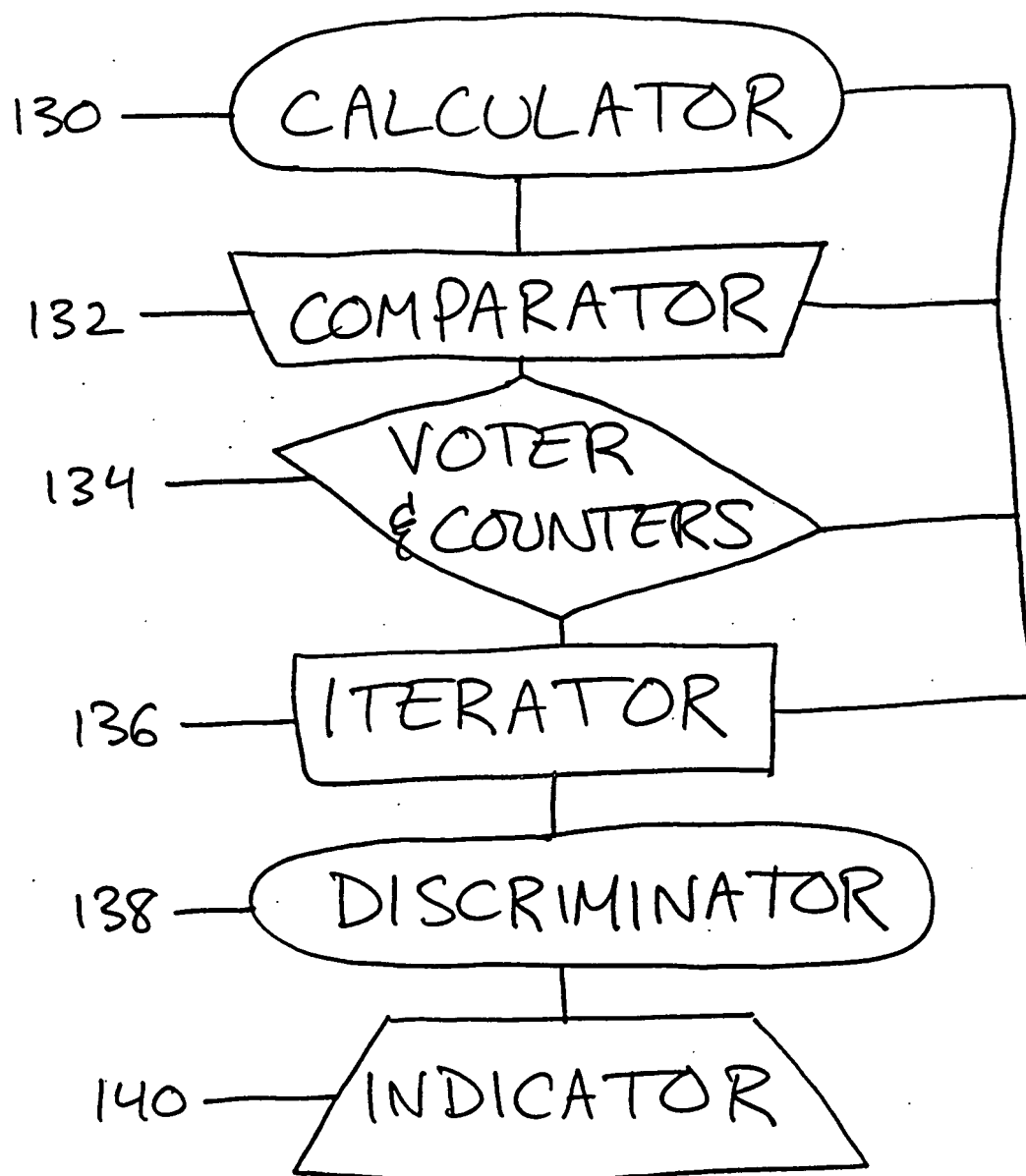


FIGURE 6

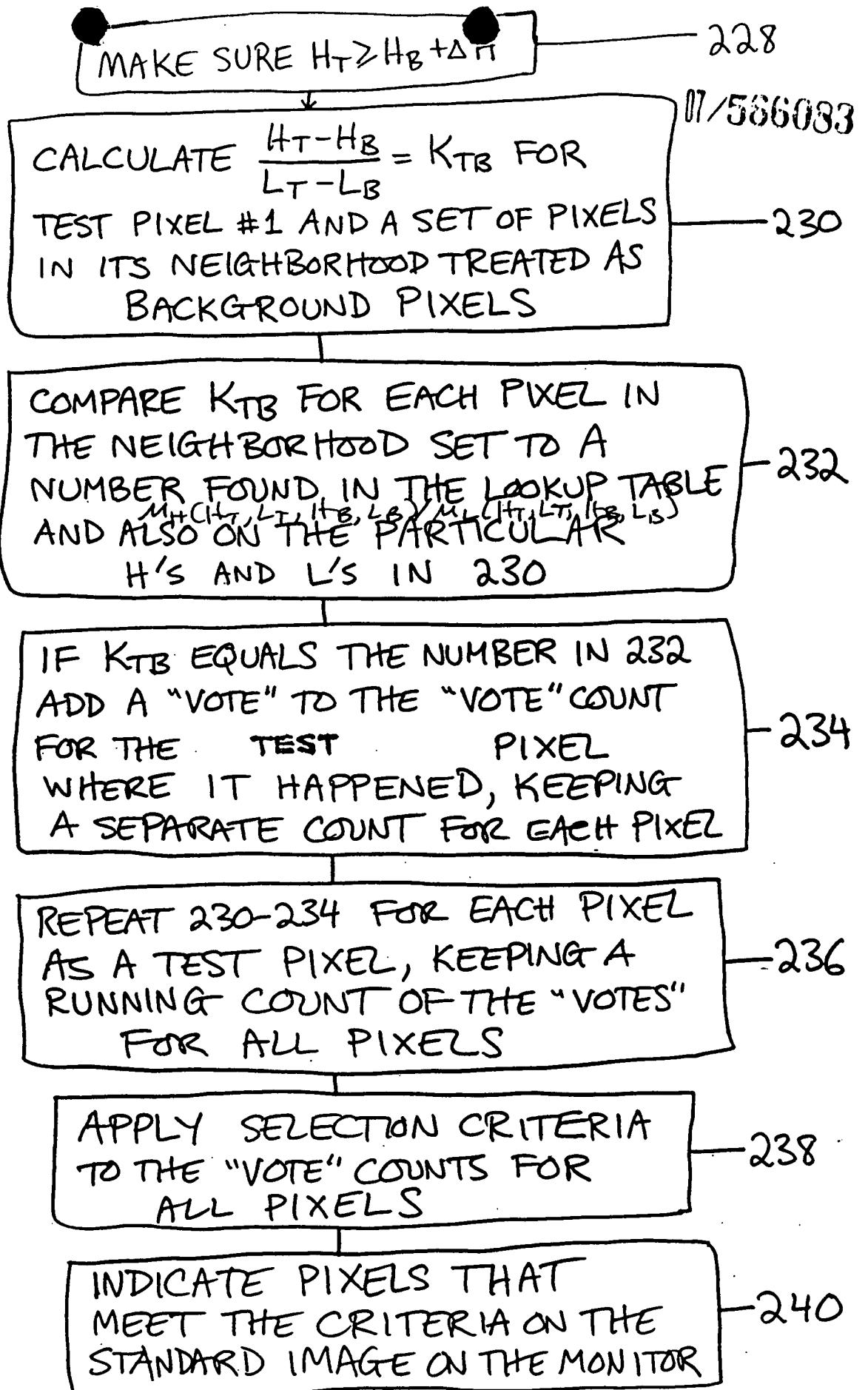


FIGURE 7

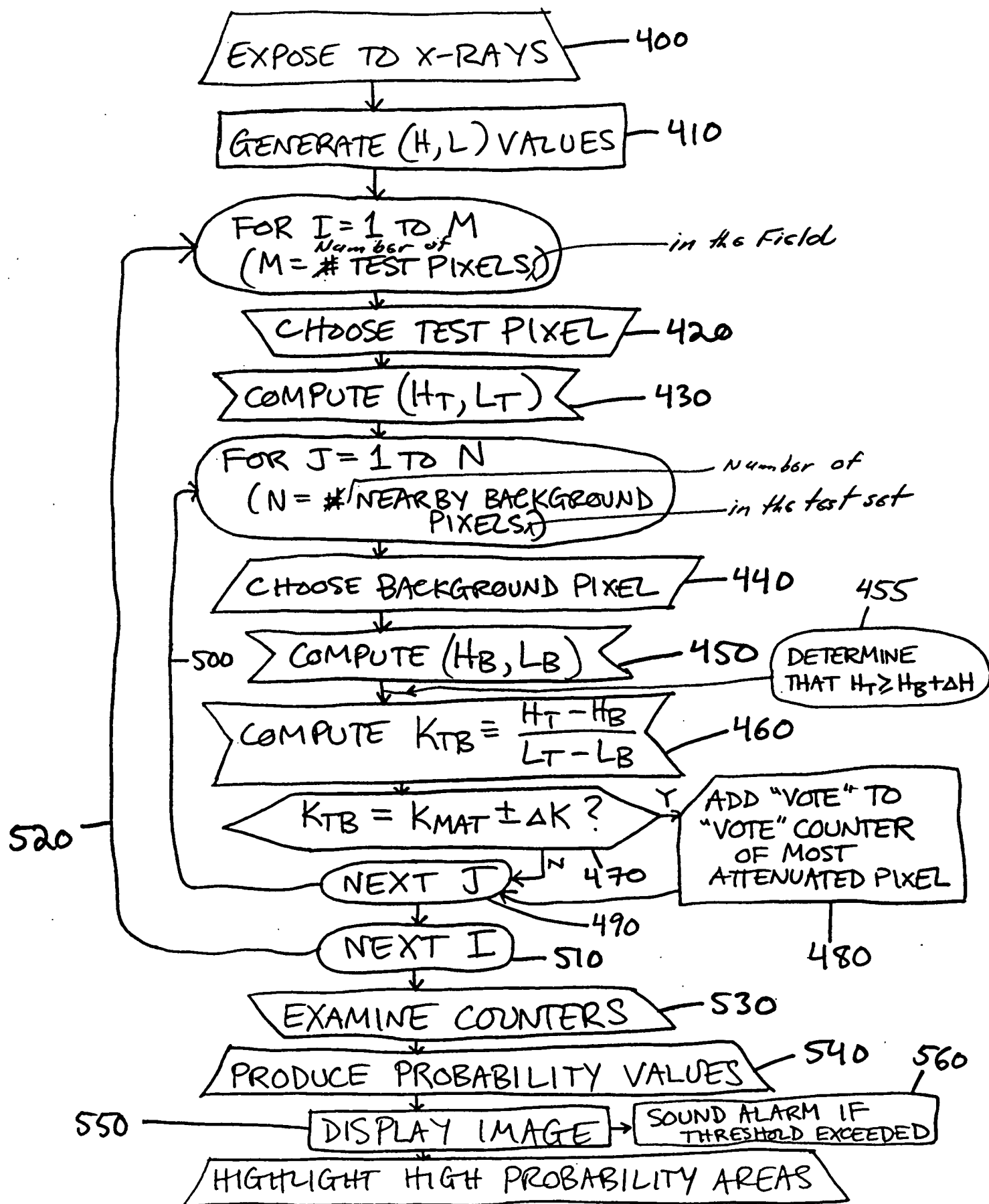
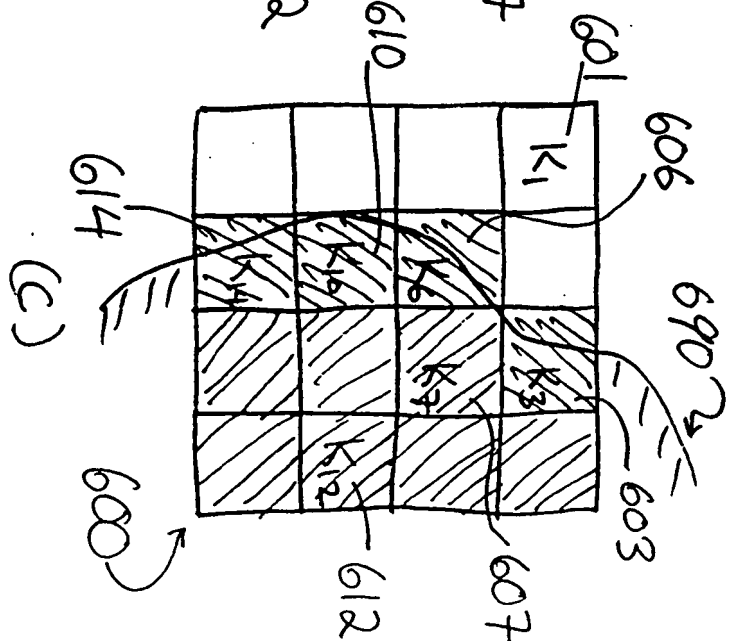
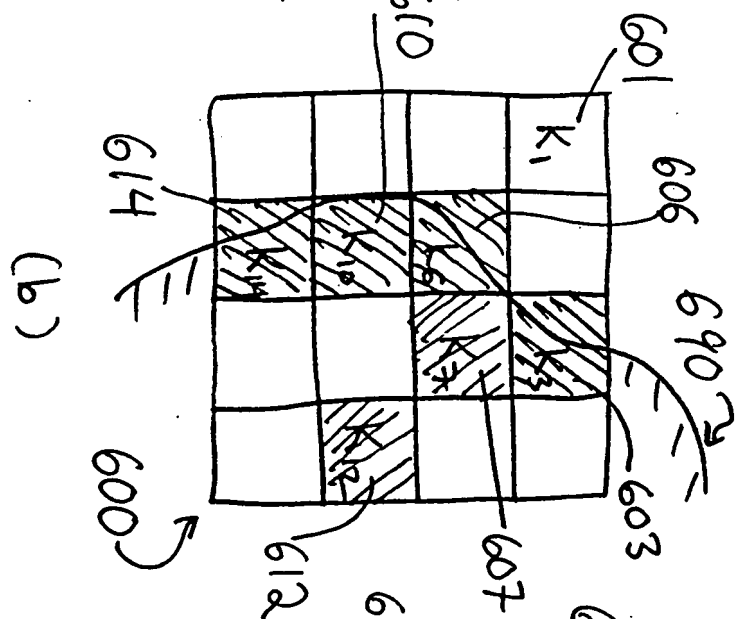
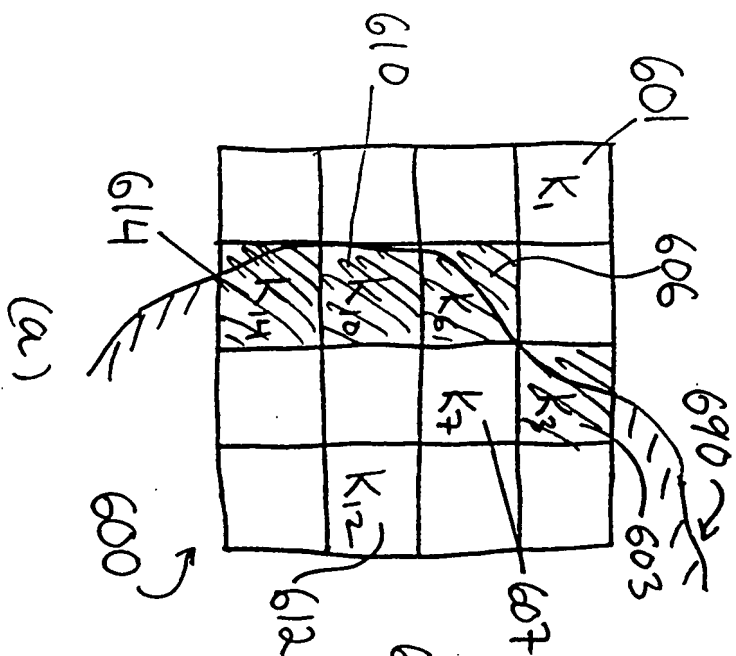


FIGURE 8

$N_{THREAT} \geq N_{MIN}$



$$|k_1 - k_{AV}| > \Delta k$$

$$|k_7 - k_{AV}| \leq \Delta k$$

$$|k_{12} - k_{AV}| \leq \Delta k$$

FIGURE 9

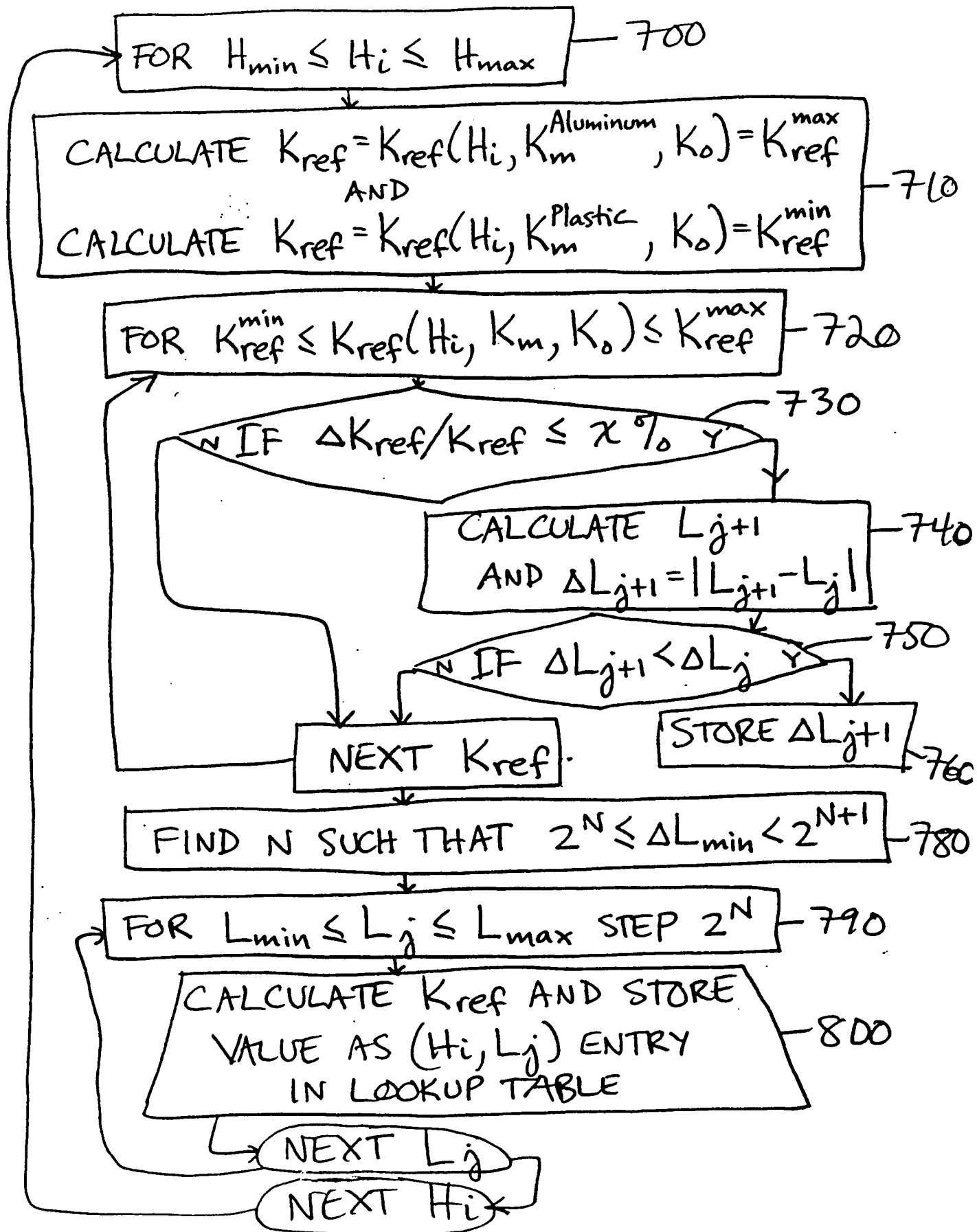


FIGURE 10

Fig 11

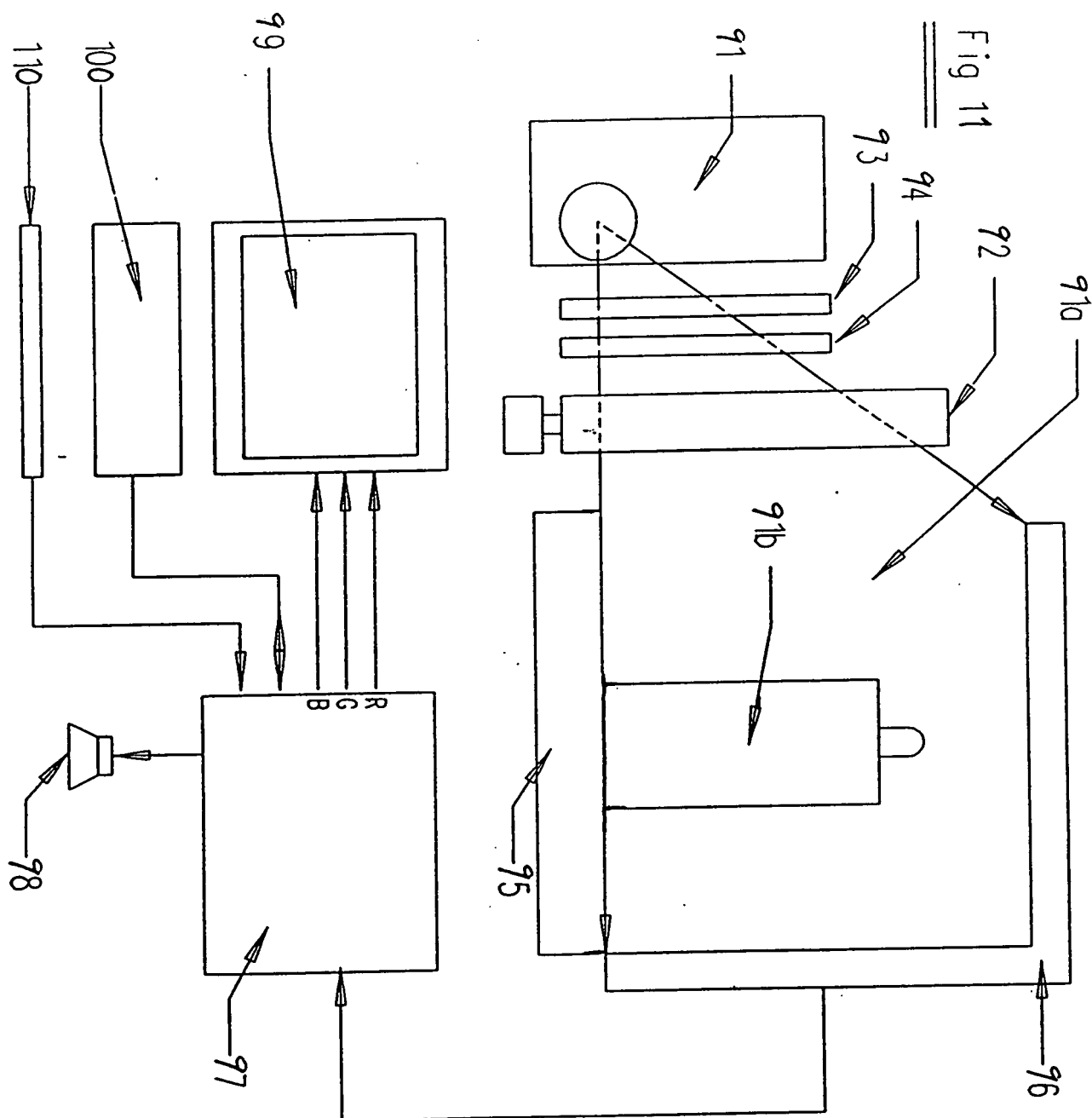


Fig12

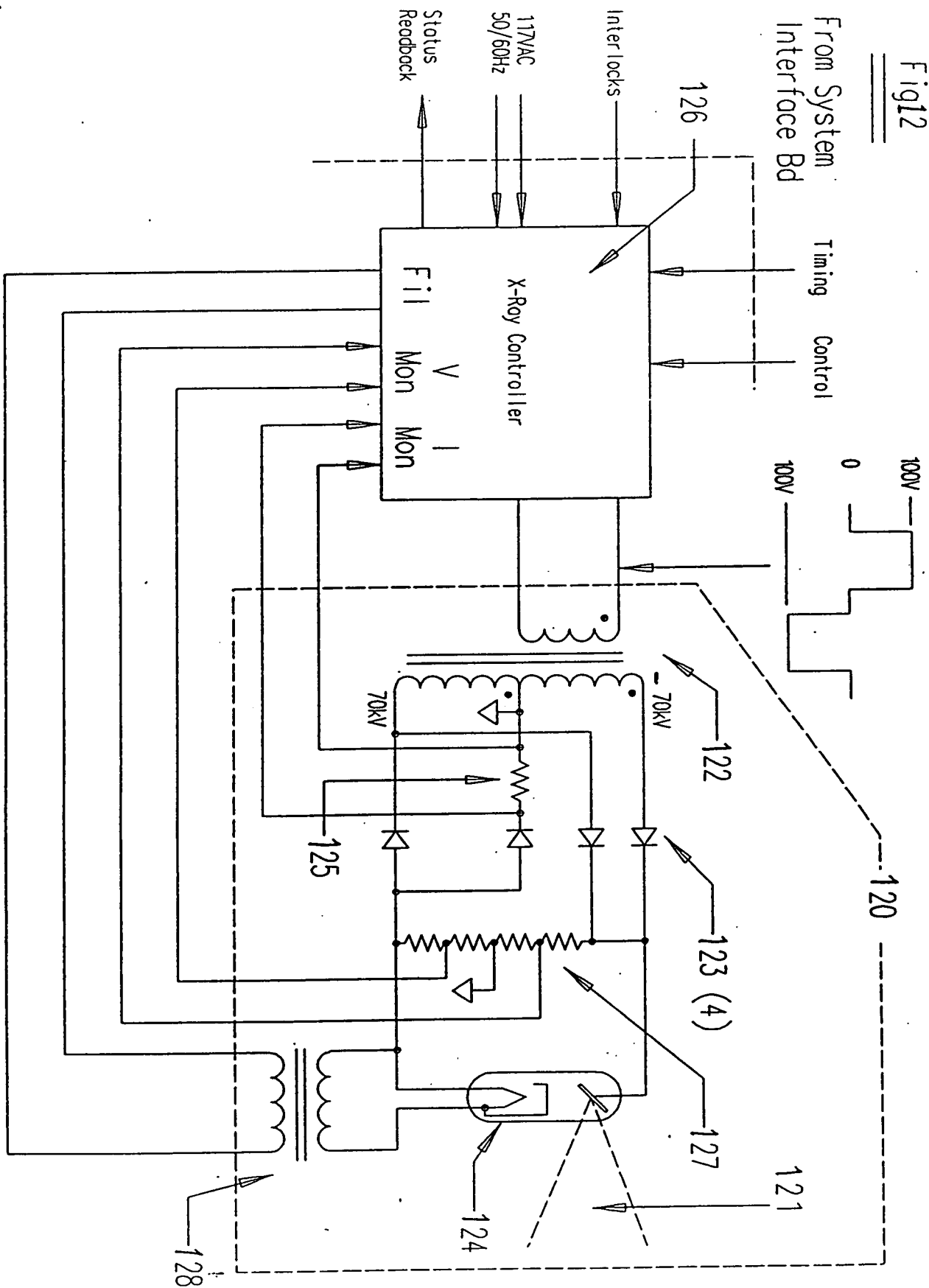


Fig 13

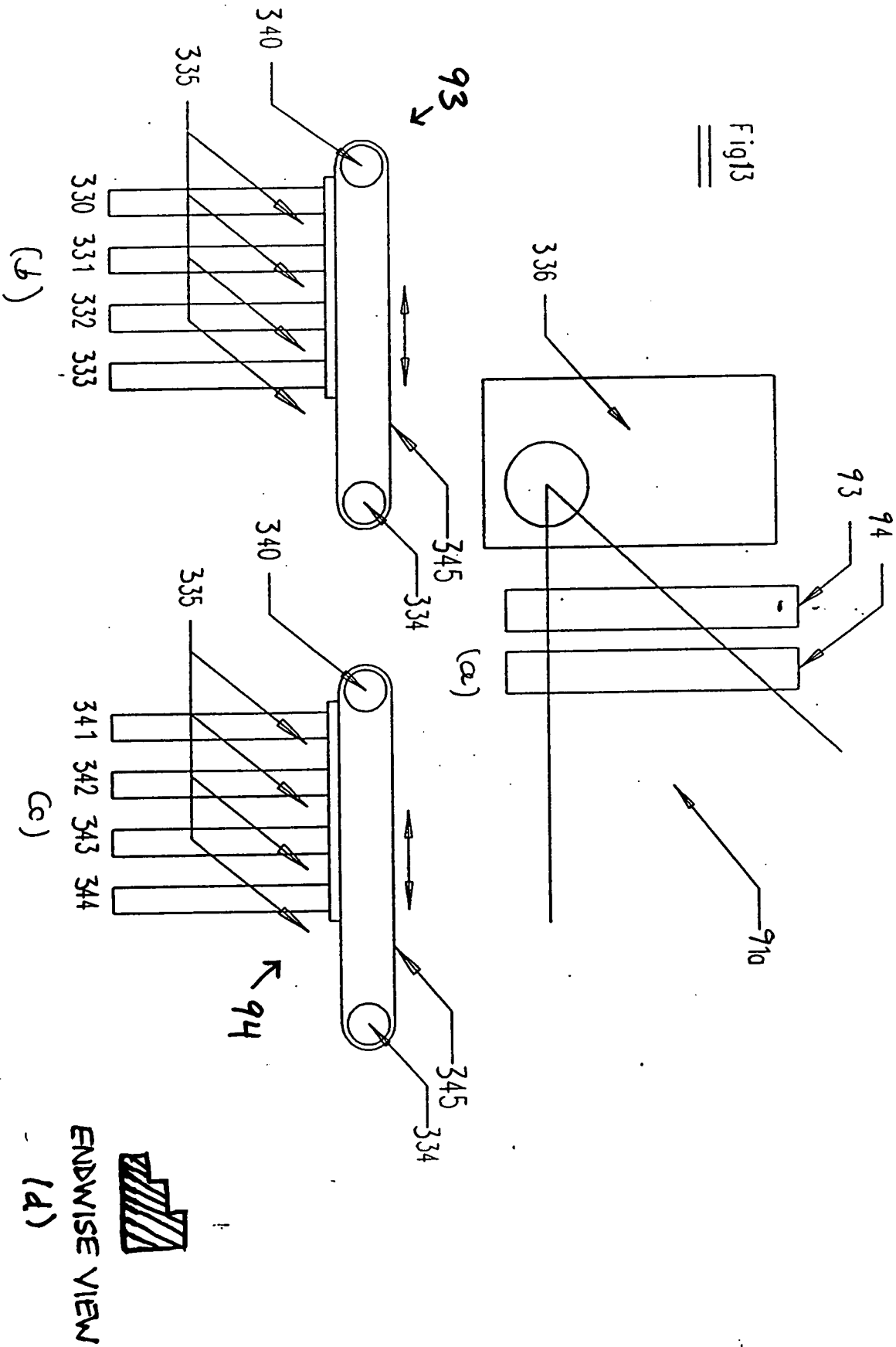


FIG. 14

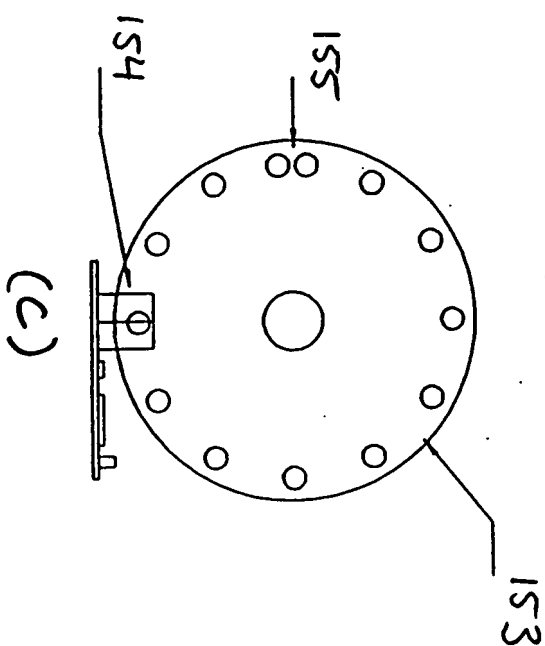
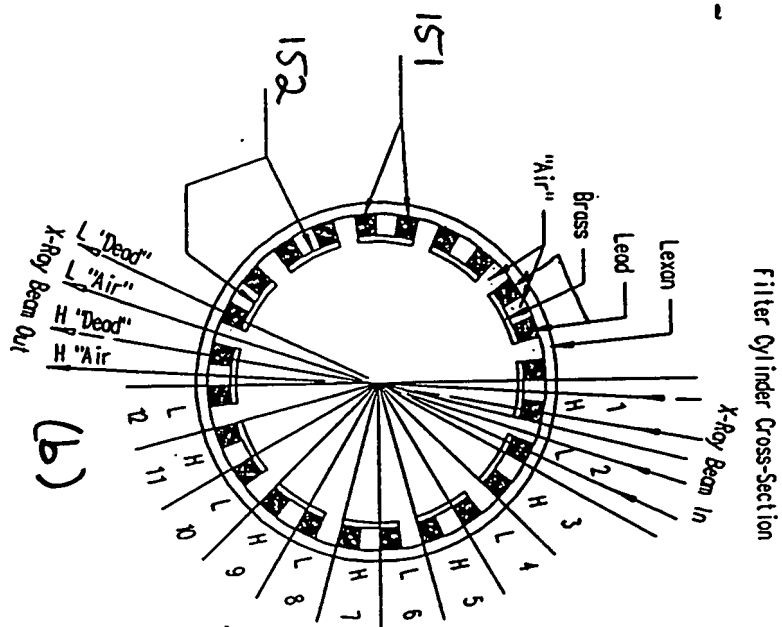
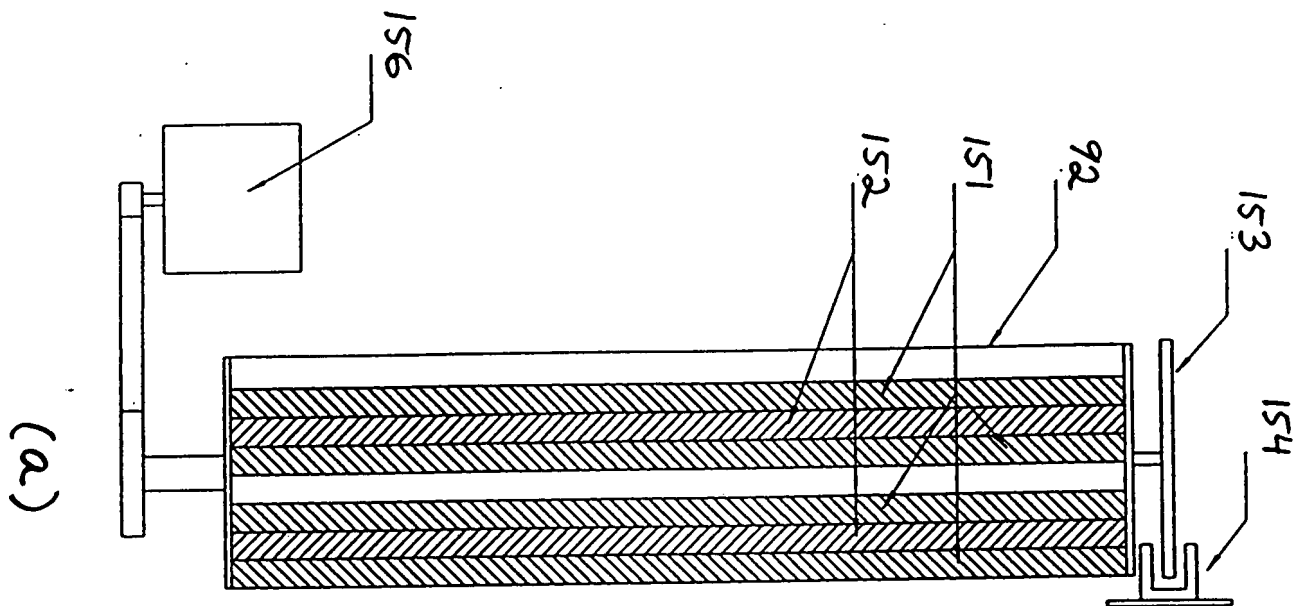


Fig 15

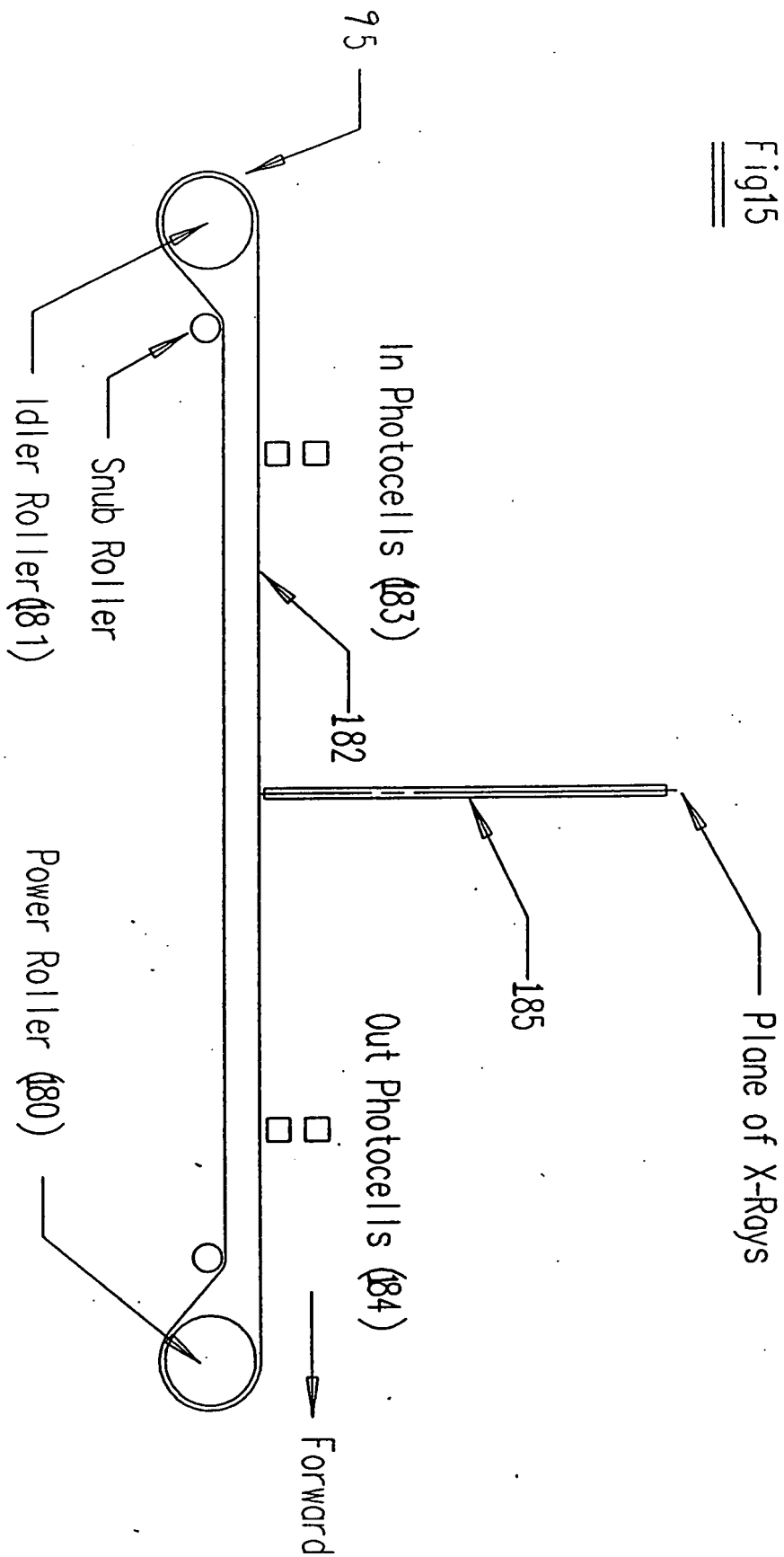
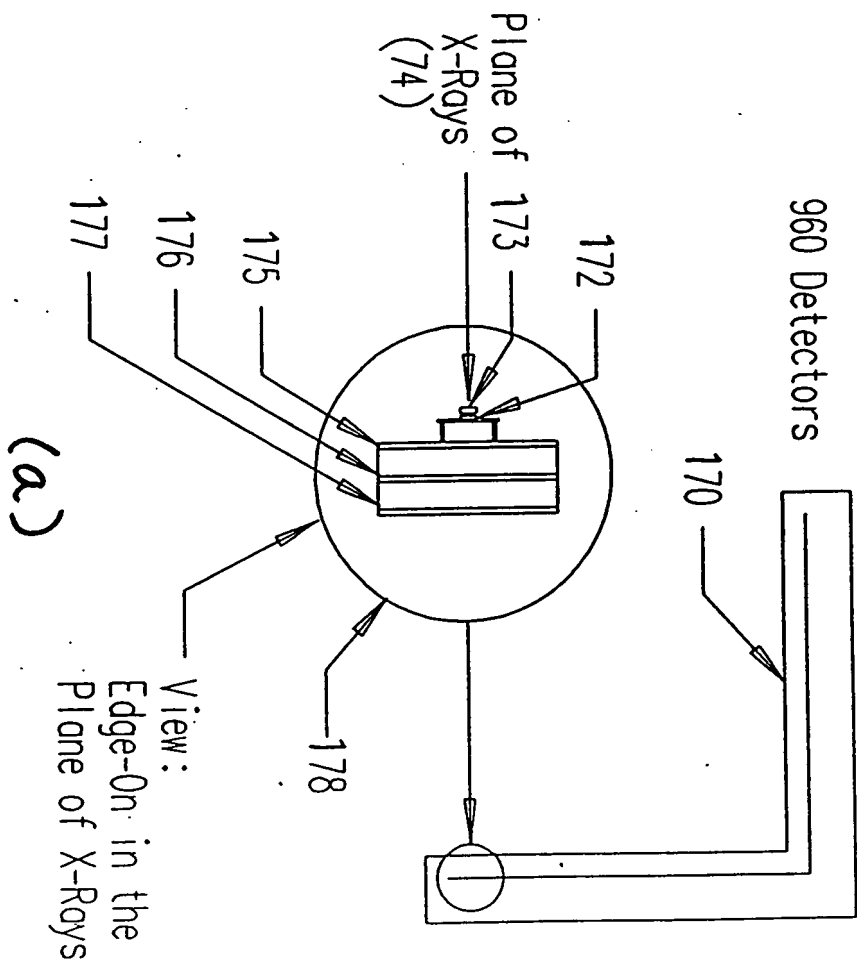
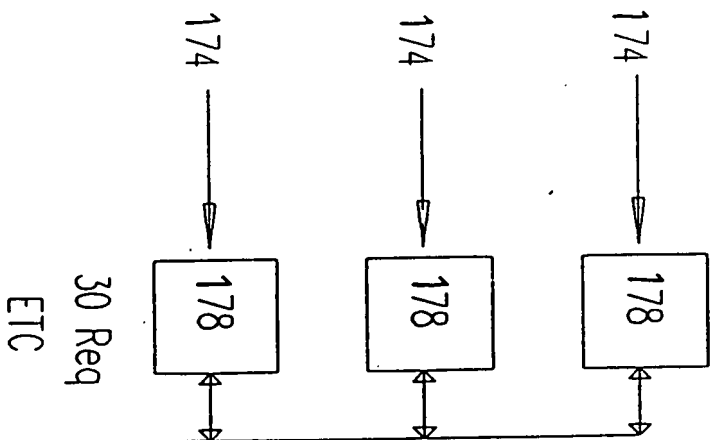
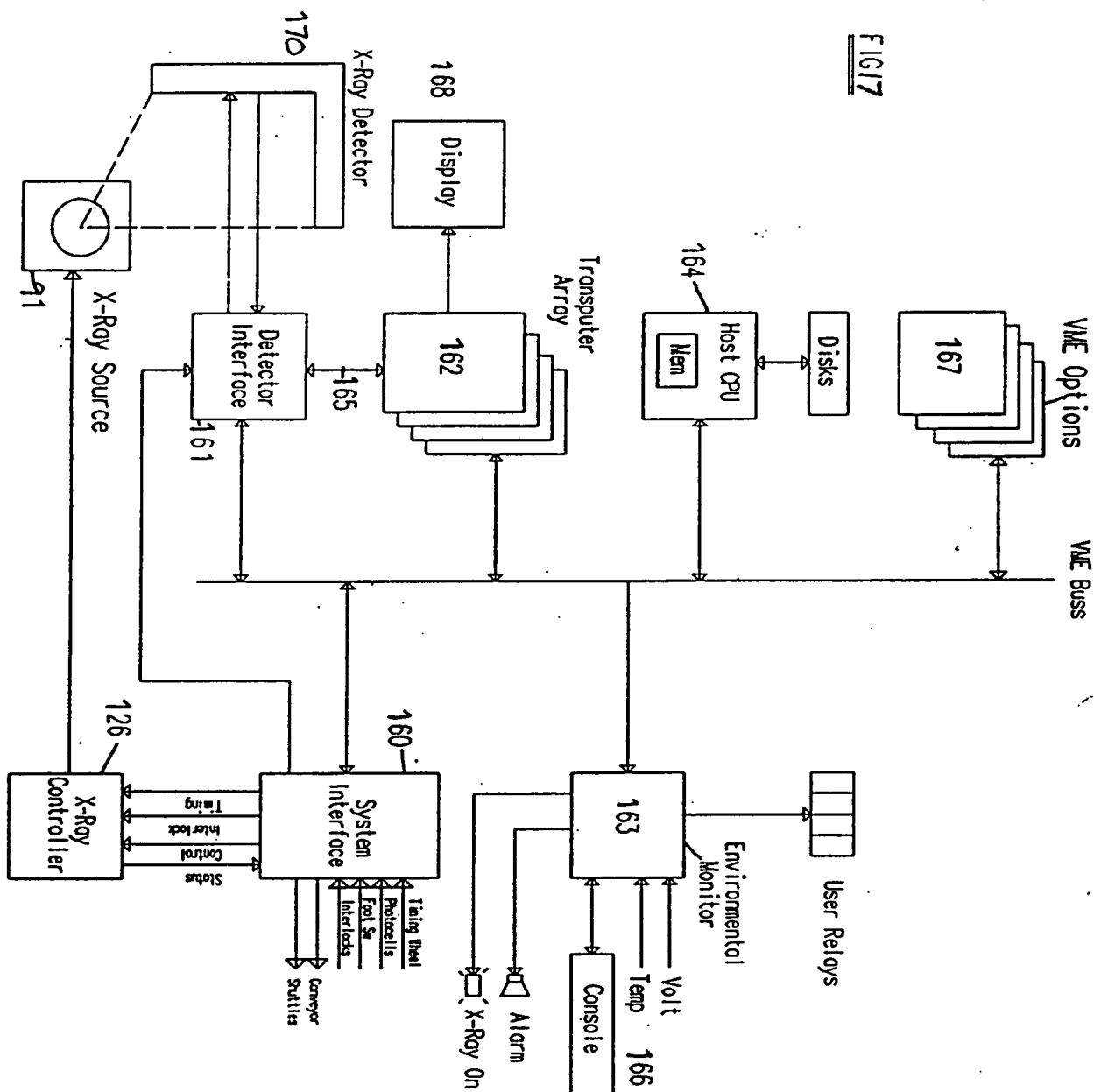


FIG 16



(b)

FIG 17



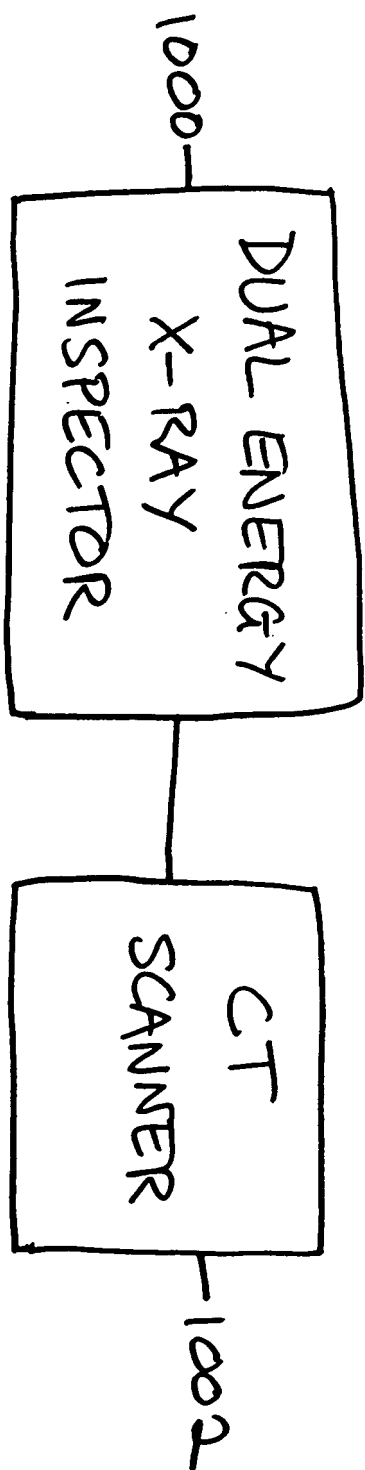


FIGURE 18a

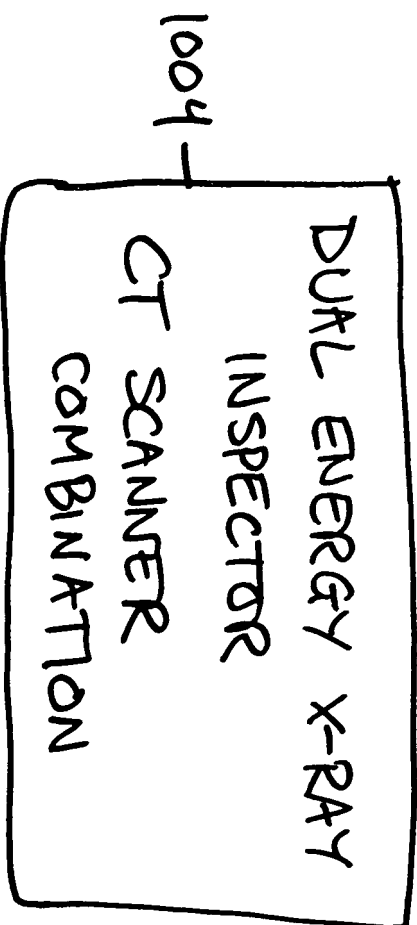


FIGURE 18b

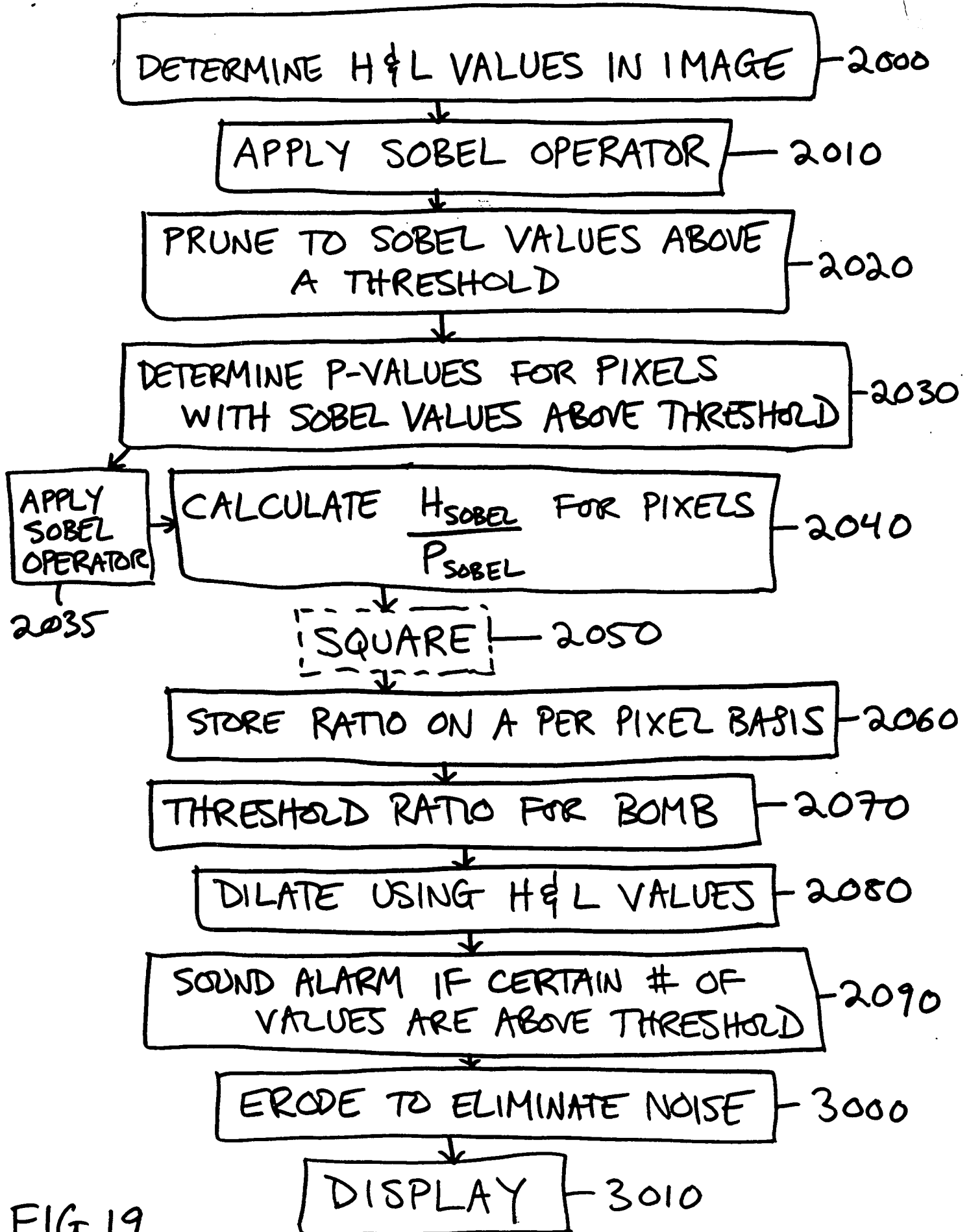


FIG. 19

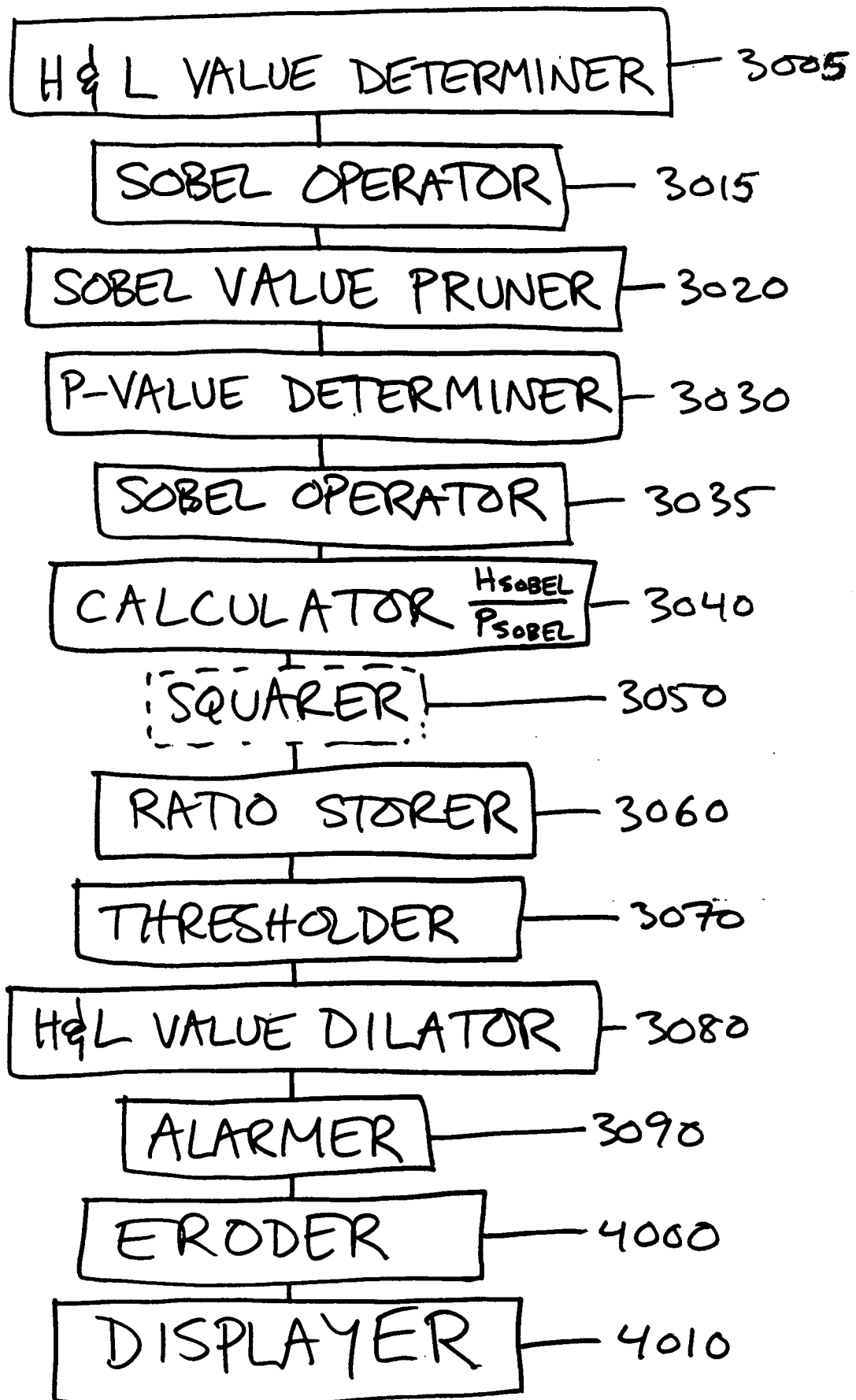


FIGURE 20